

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date Jan. 15, Feb. 18, 2016

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Applicant's/Registrant's Name & Address

Extremis, LLC
1204 Village Market Place, #273
Morrisville, NC 27560

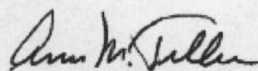
Product

Argite Acetamidrid Technical

Ingredient Acetamidrid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	49590801	Argite TGAI, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	49590801	Argite TGAI, LLC	OWN	
830.1620	Description of Production Process	49590801	Argite TGAI, LLC	OWN	
830.1650	Description of Formulation Process				Not Required ¹
830.1670	Discussion of Formation of Impurities	49590801	Argite TGAI, LLC	OWN	
830.1700	Preliminary Analysis	49590802	Argite TGAI, LLC	OWN	
830.1750	Certified Limits	49590801	Argite TGAI, LLC	OWN	
830.1800	Enforcement Analytical Method	49590801	Argite TGAI, LLC	OWN	
		49590802	Argite TGAI, LLC	OWN	
830.6302	Color	49590803	Argite TGAI, LLC	OWN	
830.6303	Physical State	49590803	Argite TGAI, LLC	OWN	
830.6304	Odor	49590803	Argite TGAI, LLC	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	49590803	Argite TGAI, LLC	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	49590803	Argite TGAI, LLC	OWN	
830.6315	Flammability	49590804	Argite TGAI, LLC	OWN	Waiver ²

Signature



Name and Title

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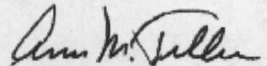
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Applicant's/Registrant's Name & Address Extremis, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product Argite Acetamiprid Technical	
Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6316	Explodability	49590804	Argite TGAI, LLC	OWN	Waiver ³
830.6317	Storage Stability	49590803	Argite TGAI, LLC	OWN	
830.6319	Miscibility				Not Applicable ⁴
830.6320	Corrosion Characteristics	49590803	Argite TGAI, LLC	OWN	
830.6321	Dielectric Breakdown Voltage				Not Required ⁴
830.7000	pH	49590803	Argite TGAI, LLC	OWN	
830.7050	UV/Visible Absorption	49590803	Argite TGAI, LLC	OWN	
830.7100	Viscosity				Not Applicable ⁴
830.7200	Melting Point/Melting Range	49590803	Argite TGAI, LLC	OWN	
830.7220	Boiling Point/Boiling Range				Not Required ⁵
830.7300	Density/Relative Density/Bulk Density	49590803	Argite TGAI, LLC	OWN	
830.7370	Dissociation Constants in Water	49590804 46255602	Argite TGAI, LLC Nippon Soda Co., Ltd.	PL PAY	
830.7520	Particle size, fiber length, diameter distribution	49590804	Argite TGAI, LLC	OWN	Not Applicable ⁴
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	49590804	Argite TGAI, LLC	PL	

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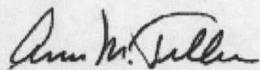
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Argite Acetamiprid Technical

Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	49590804	Argite TGAI, LLC	PL	
830.7860	Water Solubility, Generator Column Method				See 830.7840
830.7950	Vapor Pressure	49590804	Argite TGAI, LLC	PL	
870.1100	Acute Oral Toxicity: Rat	44651833 <u>46255621</u> <u>46255620</u>	<u>Nippon Soda Co., Ltd.</u> <u>Nippon Soda Co., Ltd.</u>	OLD PAY PAY	See endnote ⁶
870.1200	Acute Dermal Toxicity: Rat	44651836		OLD	See endnote ⁷
870.1300	Acute Inhalation Toxicity: Rat	44651837		OLD	See endnote ⁸
870.2400	Primary Eye Irritation: Rabbit	44651838		OLD	See endnote ⁹
870.2500	Primary Dermal Irritation	44651839		OLD	See endnote ¹⁰
870.2600	Dermal Sensitization	44651840		OLD	See endnote ¹¹

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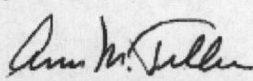
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Generic Data Requirements					
835.1230; 835.1240	Leaching/Adsorption/Desorption	44651883 44651885 49734001	Nippon Soda Co., Ltd.	OLD OLD PAY	See endnote ¹²
835.1410	Volatility – Laboratory				Not required
835.2120	Hydrolysis	44651876 44651877		OLD OLD	See endnote ¹³
835.2240	Photodegradation in Water	44988509 44988511		OLD OLD	See endnote ¹⁴
835.2370	Photodegradation in Air				Not required
835.2410	Photodegradation in Soil	48563501	Nippon Soda Co., Ltd.	PAY	See endnote ¹⁵
835.4100	Aerobic Soil Metabolism	44651879 44651881 44699101 44651880 <u>46255603</u> 49734002	<u>Nippon Soda Co., Ltd.</u> Nippon Soda Co., Ltd.	OLD OLD OLD OLD <u>PAY</u> PAY	See endnote ¹⁶

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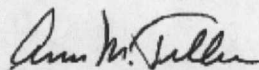
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Argite Acetamiprid Technical

Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.4200	Anaerobic Soil Metabolism	48554501	Nippon Soda Co., Ltd.	PAY	Not required ¹⁷
835.4300	Aerobic Aquatic Metabolism	44988513 49034201 49734003	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	OLD PAY PAY	See endnote ¹⁸
835.4400	Anaerobic Aquatic Metabolism	44988512 49734004	Nippon Soda Co., Ltd.	OLD PAY	See endnote ¹⁹
835.6100	Soil Field Dissipation Study	44988514 44988515 44988625		OLD OLD OLD	See endnote ²⁰
835.6200	Aquatic Sediment Field Dissipation Study				Not required
835.6300	Forest Field Dissipation Study				Not required
835.6400	Combination and Tank Mixes				Not required
835.7100	Ground Water Monitoring				Not required
835.8100	Volatility – Field				Not required

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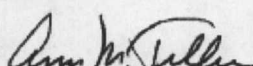
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1010 (72-2)	Freshwater Invertebrate Toxicity	44651866	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	OLD	See endnote ²¹
		44651867		OLD	
		44988409		OLD	
		44651867		OLD	
		44651868		OLD	
		46255610		PAY	
		49034202		PAY	
		46255608		PAY	
		45916201	Nippon Soda Co., Ltd.	PAY	
850.1020	Gammarid Acute Toxicity	45932501	Nippon Soda Co., Ltd.	PAY	See endnote ²²
850.1025, 850.1035, 850.1045, 850.1055, 850.1075	Acute Toxicity Estuarine and Marine Organisms	44988411		OLD	See endnote ²³
		44651869		OLD	
		44651870		OLD	
		44988410		OLD	
850.1075	Freshwater Fish Toxicity	44651863		OLD	See endnote ²⁴
		44651864		OLD	
		44651865		OLD	

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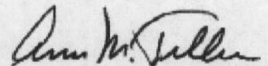
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1300	Aquatic Invertebrate Life Cycle (Freshwater)	44651871 46255609	Nippon Soda Co., Ltd.	OLD PAY	See endnote ²⁵
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)	44651873		OLD	See endnote ²⁶
850.1400	Fish Early Life Stage (Freshwater)	44651872 <u>46729101</u>	<u>Nippon Soda Co., Ltd.</u>	OLD <u>PAY</u>	See endnote ²⁷
850.1400	Fish Early Life Stage (Saltwater)				Not required ²⁸
850.1500	Life Cycle Fish				Not required ²⁹
850.1710, 850.1730, 850.1850	Aquatic Organisms Bioavailability, Biomagnification, Toxicity				Not required ³⁰
850.1735	Whole Sediment: Acute Freshwater Invertebrates				Not required ³¹
850.1740	Whole Sediment: Acute Marine Invertebrates				Not required ³²
850.1950	Simulated or Actual Field Testing for Aquatic Organisms				Not required ³³
N/A	Whole Sediment: Chronic Invertebrates Freshwater and Marine				Not required ³⁴

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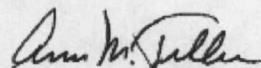
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Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.2100	Acute Avian Oral Toxicity	44651859		OLD	See endnote ³⁵
		48844901	Nippon Soda Co., Ltd.	PAY	
		48407701	Nippon Soda Co., Ltd.	PAY	
850.2200	Acute Avian Dietary Toxicity	44651860		OLD	See endnote ³⁶
		44651861		OLD	
		44651862		OLD	
		49056401	Nippon Soda Co., Ltd.	PAY	
850.2300	Avian Reproductive Toxicity	46555601	Nippon Soda Co., Ltd.	PAY	See endnote ³⁷
		49342202	Nippon Soda Co., Ltd.	PAY	
		46369201	Nippon Soda Co., Ltd.	PAY	
		48825601	Nippon Soda Co., Ltd.	PAY	
850.2400	Wild Mammal Toxicity				Not required
850.2500	Simulated or Actual Field Testing				Not required
850.3020 (141-1)	Honeybee Acute Contact Toxicity	44651874			See endnote ³⁸
850.3030	Honeybee Toxicity of Residues on Foliage	45346901	Nippon Soda Co., Ltd	PAY	
		45932502	Nippon Soda Co., Ltd	PAY	

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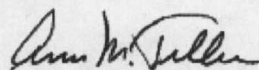
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.3040 (141-5)	Field Testing for Pollinators	49342201 45932504 45932505	Nippon Soda Co., Ltd Nippon Soda Co., Ltd Nippon Soda Co., Ltd	PAY PAY PAY	Not required ³⁹
SS-1113	Residue Analysis of Nectar and Pollen in Flowering Crops	49342201	Nippon Soda Co., Ltd	PAY	Reserved
SS-1163	Honeybee Larval Toxicity	49342201	Nippon Soda Co., Ltd	PAY	
850.4025	Target Area Phytotoxicity				Not required
850.4100	Tier 1: Seedling Emergence	49356501	Nippon Soda Co., Ltd.	PAY	See endnote ⁴⁰
850.4100	Tier 2: Seedling Emergence	49356501	Nippon Soda Co., Ltd.	PAY	
850.4150	Tier 1: Vegetative Vigor	44988413 45921401	Nippon Soda Co., Ltd.	OLD PAY	See endnote ⁴¹
850.4150	Tier 2: Vegetative Vigor	44988413 45921401	Nippon Soda Co., Ltd.	OLD PAY	See endnote ⁴²
850.4300	Terrestrial Field				Not required

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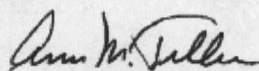
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Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4400, 850.5400	Tier 1: Aquatic Plant Growth	44988414		OLD	See endnote ⁴³
		44988415		OLD	
		44988416		OLD	
		44988417		OLD	
		44988418		OLD	
850.4400, 850.5400	Tier 2: Aquatic Plant Growth	44988414		OLD	See endnote ⁴⁴
		44988415		OLD	
		44988416		OLD	
		44988417		OLD	
		44988418		OLD	
850.4450	Aquatic Field				Not required
850.7100	Environmental Chemistry Methods	44988536		OLD	See endnote ⁴⁵
		44988516		OLD	
		44988514		OLD	
		44988517		OLD	

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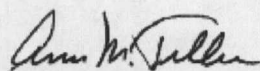
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860.1300	Nature of the Residue: Plants	44988518		OLD	
		44988519		OLD	
		44988520		OLD	
		44988521		OLD	
		44988522		OLD	
860.1300	Nature of the Residue: Livestock	44988523		OLD	
		44988524		OLD	
860.1340	Residue Analytical Methods	44988525		OLD	
		44988526		OLD	
		44988527		OLD	
		44988528		OLD	
		44988529		OLD	
		44988530		OLD	
		44988531		OLD	
		44988532		OLD	
		44988533		OLD	
		47185401	Nippon Soda Co., Ltd.	PAY	

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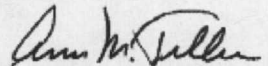
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DATA MATRIX

Date Jan. 15, Feb. 18, 2016	EPA Reg No./File Symbol 91127-E	Page 12 of 25 27
Applicant's/Registrant's Name & Address Extremis, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product Argite Acetamiprid Technical	
Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1360	Multiresidue Method	44988534		OLD	
860.1380	Storage Stability	44988535 45039702		OLD OLD	
860.1400	Nature and Magnitude of the Residue in Potable Water				Not required
860.1400	Magnitude of the Residue in Fish				Not required
860.1400	Magnitude of the Residue in Plants Resulting from the Use of Irrigation Water				Not required
860.1460	Magnitude of the Residue in Food Handling Establishments	47462801	Nippon Soda Co., Ltd.	PAY	
860.1480	Magnitude of the Residue in Meat, Milk, Poultry, and Eggs	44988601 44988602		OLD OLD	
<u>860.1500</u>	<u>Magnitude of the Residue in Plants</u>	<u>48404401</u>	<u>Nippon Soda Co., Ltd.</u>	<u>PAY</u>	
860.1500	Magnitude of the Residue in Plants: Asparagus	48590101	IR-4	PUBLIC	
860.1500	Magnitude of the Residue in Plants: Cotton	44988618 46860209	Nippon Soda Co., Ltd.	OLD PAY	
860.1500	Magnitude of the Residue in Plants: Soybean	48404402	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Sweet Corn	48590104	Nippon Soda Co., Ltd.	PAY	

Signature 	Name and Title Ann M. Tillman, Agent	Date Feb. 18, 2016
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Morrisville, NC 27560

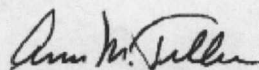
Product

Argite Acetamiprid Technical

Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: Tuberous and Corm Vegetables (Group 1C)	45900508	Nippon Soda Co., Ltd.	PAY	
		45900509	Nippon Soda Co., Ltd.	PAY	
		47013701	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Bulb Vegetables (Group 3-07)	46785503	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Leafy Vegetables (Group 4)	44988603		OLD	
		44988604		OLD	
		44988606		OLD	
		44988630		OLD	
		44988633		OLD	
		48481701	IR-4	PUBLIC	
		48499801	IR-4	PUBLIC	

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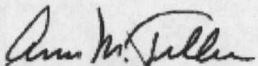
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Applicant's/Registrant's Name & Address Extremis, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product Argite Acetamiprid Technical	
Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: Brassica (Cole) Leafy Vegetables (Group 5)	44988607 44988608 44988609 44988631 44988632 48590102 44988531 44988532	IR-4	OLD OLD OLD OLD OLD PUBLIC OLD OLD	
860.1500	Magnitude of the Residue in Plants: Edible Podded Legumes (Group 6A)	46785504	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Succulent shelled Pea and Bean (Group 6B)	46785504	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Fruiting Vegetable (Group 8-10)	44988614 44988615 44988616 44988621 46789801	IR-4	OLD OLD OLD OLD PUBLIC	

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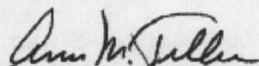
Product

Argite Acetamiprid Technical

Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: Cucurbit Vegetables (Group 9)	46265701	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Citrus (Group 10-10)	44988611	IR-4 Nippon Soda Co., Ltd.	OLD	
		44988619		OLD	
		46834001		PUBLIC	
		<u>48872402</u>		<u>PAY</u>	
		<u>48872403</u>		<u>PAY</u>	
		<u>48872404</u>		<u>PAY</u>	
		<u>48872405</u>		<u>PAY</u>	
		<u>48872406</u>		<u>PAY</u>	
		<u>48872407</u>		<u>PAY</u>	
		<u>48872408</u>		<u>PAY</u>	
		<u>48872409</u>		<u>PAY</u>	
		<u>48872410</u>		<u>PAY</u>	
		<u>48872411</u>		<u>PAY</u>	

Signature



Name and Title

Ann M. Tillman, Agent

Date

Feb. 18, 2016

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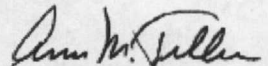
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: Pome Fruits (Group 11-10)	44988612 44988613 44988626 44988627 46857901	IR-4	OLD OLD OLD OLD PUBLIC	
860.1500	Magnitude of the Residue in Plants: Stone Fruits (Group 12)	46265702	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Caneberries (Group 13-07A)	46785502 47224701	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	PAY PAY	
860.1500	Magnitude of the Residue in Plants: Bushberries (Group 13-07B)	46785502 47224701	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	PAY PAY	
860.1500	Magnitude of the Residue in Plants: Small Fruit Vine Climbing except Fuzzy Kiwifruit (Group 13-07F)	44988617 44988634 47716902	IR-4	OLD OLD PUBLIC	
860.1500	Magnitude of the Residue in Plants: Strawberries and other Low Growing Berries (Group 13-07G)	47013601	IR-4	PUBLIC	

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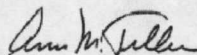
Product

Argite Acetamiprid Technical

Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: Tree Nuts Including Pistachios (Group 14)	46265703	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Clover (ID, OR and WA only), including Clover Grown for Seed	47716901 49443801 49443802	IR-4 IR-4 IR-4	PUBLIC PUBLIC PUBLIC	
860.1500	Magnitude of the Residue in Plants: Tobacco	45900506 45900507	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	PAY PAY	
860.1500	Magnitude of the Residue in Plants: Canola and Mustard Seed Treatment	44988629 45336901		OLD PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: Cotton	44988618		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Soybeans	48404402	Nippon Soda Co., Ltd.	PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: Tuberous and Corm Vegetables (Subgroup 1C)	45900508 45900509 47013701	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	PAY PAY PAY	

Signature



Name and Title

Ann M. Tillman, Agent

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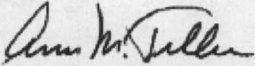
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: Fruiting Vegetable (Group 8-10)	44988621		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Citrus (Group 10-10)	44988619		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Pome Fruits (Group 11-10)	44988622		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Stone Fruits (Group 12)	46265702	Nippon Soda Co., Ltd.	PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: Small Fruit Vine Climbing except Fuzzy Kiwifruit (Group 13-07F)	44988620		OLD	
860.1850	Confined Rotational Crops	44988623 46729102	Nippon Soda Co., Ltd.	OLD PAY	
860.1900	Field Rotational Crops				Not required
870.3100	90-Day Oral: Rodent	44651843		OLD	See endnote ⁴⁶

Signature 	Name and Title Ann M. Tillman, Agent	Date Feb. 18, 2016
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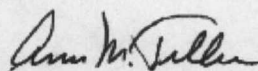
Product

Argite Acetamiprid Technical

Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3150	90-Day Oral: Non-Rodent	44988424 <u>45245306</u>		OLD <u>OLD</u>	See endnote ⁴⁷
870.3200	21/28-Day Dermal Toxicity	44651844		OLD	See endnote ⁴⁸
870.3250	90-Day Dermal Toxicity				Not required
870.3465	90-Day Inhalation Toxicity				Not required
870.3700	Reproduction/Developmental Toxicity Screening Test	44651847 44651848 <u>45245302</u> <u>45245303</u>		OLD OLD <u>OLD</u> <u>OLD</u>	See endnote ⁴⁹
870.3800	2-Generation Reproduction: Rat	44988430 <u>45245301</u>		OLD <u>OLD</u>	See endnote ⁵⁰
870.4100	Chronic Oral Rodent	44988429 45245304 <u>45532301</u> <u>45532302</u>	Nippon Soda Co., Ltd. <u>Nippon Soda Co., Ltd.</u> <u>Nippon Soda Co., Ltd.</u>	OLD <u>PAY</u> <u>OLD</u> <u>PAY</u> <u>PAY</u>	See endnote ⁵¹

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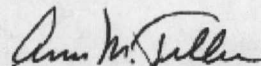
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Argite Acetamiprid Technical

Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.4200	Carcinogenicity	44988428 45245305 44988429 45245304	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	OLD PAY OLD PAY	See endnote ⁵²
870.5100	Bacterial Reverse Mutation Test	44651849 <u>44651850</u> <u>44651851</u>		OLD <u>OLD</u> <u>OLD</u>	See endnote ⁵³
870.5300, 830.5375	<i>In vitro</i> Mammalian Cell Assay	44651857 44651855		OLD OLD	See endnote ⁵⁴
870.5385, 870.5395, 870.5450	<i>In vivo</i> Cytogenetics	44651854 44651852 44651856		OLD OLD OLD	See endnote ⁵⁵
870.6100	28-Day Delayed Neurotoxicity Hen				Not required
870.6100	Delayed Neurotoxicity (Acute) – Hen				Not required
870.6200	Acute Neurotoxicity – Rat	44651842 <u>45130801</u>		OLD <u>OLD</u>	See endnote ⁵⁶
870.6200	90-Day Neurotoxicity	44651845		OLD	See endnote ⁵⁷

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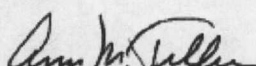
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.6300	Developmental Neurotoxicity Study	46255619 <u>46779202</u>	Nippon Soda Co., Ltd. <u>Nippon Soda Co., Ltd.</u>	PAY <u>PAY</u>	See endnote ⁵⁸
870.7200	Companion Animal Safety				Not required
870.7485	Metabolism and Pharmacokinetics	44988503 44988504 44988505 44988506 44988507 <u>46255622</u>	<u>Nippon Soda Co., Ltd.</u>	OLD OLD OLD OLD OLD <u>PAY</u>	See endnote ⁵⁹
870.7600	Dermal Penetration	44651858		OLD	See endnote ⁶⁰
870.7800	Immunotoxicity	48113401	Nippon Soda Co., Ltd.	PAY	See endnote ⁶¹
875.1100	Dermal Exposure – Outdoor	Cite-All		PAY	
875.1200	Dermal Exposure - Indoor	Cite-All		PAY	
875.1300	Inhalation Exposure – Outdoor	Cite-All		PAY	
875.1500	Biological Monitoring	Cite-All		PAY	
875.1600	Data Reporting and Calculations	Cite-All		PAY	

Signature 	Name and Title Ann M. Tillman, Agent	Date Feb. 18, 2016
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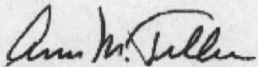
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.1700	Product Use Information				Not required
875.2100	Dislodgeable Foliar Residue and Turf Transferable Residues (cotton)	<u>45323001</u>	<u>Nippon Soda Co., Ltd.</u>	<u>PAY</u>	Not required ⁶²
875.2200	Soil Residue Dissipation	Cite-all		PAY	
875.2400	Dermal Exposure	Cite-all		PAY	
875.2500	Inhalation Exposure	Cite-all		PAY	
875.2600	Biological Monitoring				Not required
875.2700	Product Use Information				Not required
875.2800	Descriptions of Human Activity				Not required
875.2900	Data Reporting and Calculations				Not required
875.3000	Nondietary Ingestion Exposure				Not required
201-1	Droplet Size Spectrum	Cite-all		PAY	
202-1	Droplet Size Spectrum	Cite-all		PAY	See 201-1

Extremis, LLC is using the cite-all option under selective method of data citation for certain data requirements and has made offers-to-pay to the following companies on the acetamiprid data submitters list of December 31, 2015.

Signature 	Name and Title Ann M. Tillman, Agent	Date Feb. 18, 2016
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DATA MATRIX

Date Jan. 15, Feb. 18, 2016	EPA Reg No./File Symbol 91127-E	Page 23 of 2527
Applicant's/Registrant's Name & Address Extremis, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product Argite Acetamiprid Technical	
Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Syngenta Crop Protection LLC	PAY	
			Bayer CropScience LP	PAY	
			FMC Corp. Agricultural Products Group	PAY	
			Wellmark International	PAY	
			JJ Mauget Co.	PAY	
			Nippon Soda Co., Ltd.	PAY	
			Valent USA Corporation	PAY	
			Spray Drift Task Force	PAY	
			ISK Biosciences Corporation	PAY	
			Outdoor Residential Exposure Task Force	PAY	
			Agricultural Re-Entry Task Force	PAY	
			Nisso TM LLC	PAY	
			Agricultural Handler Exposure Task Force	PAY	
			Syntellus, LLC	PAY	

Signature 	Name and Title Ann M. Tillman, Agent	Date Feb. 18, 2016
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Endnotes for Data Matrix for Argite Acetamiprid Technical

- ¹ **830.1650** - These data are not required for the registration of a manufacturing use product. See 830.1620 for production process information.
- ² **830.6315** - Argite TGAI, LLC requests a waiver from the requirement of this data requirement since Argite Acetamiprid Technical is a solid and does not contain flammable components. Please refer to the Confidential Statement of Formula for Argite Acetamiprid Technical.
- ³ **830.6316** - Argite TGAI, LLC requests a waiver from this data requirement because acetamiprid does not have the chemical bonds or functional groups associated with explosive chemicals.
- ⁴ **830.6319, 830.6321, 830.7100, 830.7520** - Argite Acetamiprid Technical is a solid and not an emulsifiable concentrate and is not to be diluted with petroleum solvents. Therefore, miscibility data are not applicable to this technical. Argite Acetamiprid Technical is not an end use product to be used around electrical equipment and data for dielectric breakdown constant are not required for technical materials. Argite Acetamiprid Technical is a solid and not a liquid, therefore, viscosity data are not applicable to this product. Argite TGAI, LLC is seeking a waiver for Particle Size, Fiber Length, and Diameter Distribution for Argite Acetamiprid Technical because the product is not a fibrous material or a water-insoluble material.
- ⁵ **830.7220** - Argite Acetamiprid Technical is a solid and boiling point data are not required for solids. Data for melting point are required for solids. See Guideline 830.7200.
- ⁶ **870.1100** - The study cited is listed in the Nov. 30, 2011 Acetamiprid Human Health Risk Assessment for New Uses on Soybean and in Food/Feed Handling Establishments (Human Health Risk Assessment, DP Barcodes D385260, D388794) as satisfying the data requirement.
- ⁷ **870.1200** - The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁸ **870.1300** - The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁹ **870.2400** - The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ¹⁰ **870.2500** - The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ¹¹ **870.2600** - The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ¹² **835.1230** - MRIDs 44651883 and 44651885 were cited as acceptable in the Sept. 5, 2012 Problem Formulation but additional data were required. It appears data were recently submitted to satisfy this data gap and have been cited.
- ¹³ **835.2120** - The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ¹⁴ **835.2240** - The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ¹⁵ **835.2410** - Although the study cited does not satisfy the data requirement, the Sept. 5, 2012 Problem Formulation did not require additional data; therefore, this study is cited.
- ¹⁶ **835.4100** - MRID 44651879 is cited as acceptable in the Sept. 5, 2012 Problem Formulation (other studies were also cited as supplemental) but additional data were required. It appears data were recently submitted to satisfy this data gap and have been cited.
- ¹⁷ **835.4200** - The study submitted did not satisfy the data requirement as per the Sept. 5, 2012 Problem Formulation, but no additional data are required. Therefore, no data are cited here.

Endnotes for Data Matrix for Argite Acetamiprid Technical

- ¹⁸ **835.4300** – MRID 44988513 is cited as acceptable in the Sept. 5, 2012 Problem Formulation but additional data were required. MRID 49034201 was submitted in response to the registration review DCI and is cited. It also appears, an even more recent submission, 49734003, and is cited here.
- ¹⁹ **835.4400** – MRID 44988512 (sic) is cited as acceptable in the Sept. 5, 2012 Problem Formulation but additional data were required. It appears data were recently submitted to satisfy this data gap and have been cited.
- ²⁰ **835.6100** – Although the studies cited do not satisfy the data requirement, the Sept. 5, 2012 Problem Formulation did not require additional data; therefore, the studies are cited.
- ²¹ **850.1010** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement; supplemental data that do not satisfy the data requirement were not cited. MRID 49034202 was submitted in response to the registration review DCI and is cited.
- ²² **850.1020** – While Extremis believes these data are not required to support the registration of Agrite Acetamiprid Technical because these data do not satisfy a data requirement under 40 CFR Part 158 and a DCI was not issued for these data, it is citing this study only because EPA identified this guideline as necessary for the data matrix and in order to complete the registration process quickly.
- ²³ **850.1025, 850.1035, 850.1045, 850.1055, 850.1075** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ²⁴ **850.1075** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ²⁵ **850.1300** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ²⁶ **850.1350** – The study cited is listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ²⁷ **850.1400** – The study cited is listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ²⁸ **850.1400** – Chronic toxicity data for estuarine/marine fish are not required as per the Sept. 5, 2012 Problem Formulation.
- ²⁹ **850.1500** – Fish life cycle data are not required as per the Sept. 5, 2012 Problem Formulation.
- ³⁰ **850.1710, 850.1730, 850.1850** – These data are not required as per the Sept. 5, 2012 Problem Formulation.
- ³¹ **850.1735** – These data are not required as per the Sept. 5, 2012 Problem Formulation.
- ³² **850.1740** – These data are not required as per the Sept. 5, 2012 Problem Formulation.
- ³³ **850.1950** – These data are not required as per the Sept. 5, 2012 Problem Formulation.
- ³⁴ **N/A** – These data are not required as per the Sept. 5, 2012 Problem Formulation.
- ³⁵ **850.2100** – The studies cited are listed in the Sept. 5, 2012 Registration Review – Preliminary Problem Formulation for Ecological Risk and Environmental Fate, Endangered Species, and Drinking Water Assessments for Acetamiprid (Problem Formulation, DP Barcode D401171) as satisfying the data requirement.
- ³⁶ **850.2200** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ³⁷ **850.2300** – MRID 46555601 was listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement for quail. MRID 49342202 was submitted in response to the registration review DCI and is cited.
- ³⁸ **850.3020** – The study cited is listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.

Endnotes for Data Matrix for Argite Acetamiprid Technical

- ³⁹ **850.3040** – These data are not required as per the Sept. 5, 2012 Problem Formulation.
- ⁴⁰ **850.4100** – The study cited was submitted in response to the registration review DCI.
- ⁴¹ **850.4150** – MRID 44988413 is listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement for all species except lettuce. MRID 45921401 is a lettuce study apparently submitted to satisfy the lettuce data gap.
- ⁴² **850.4150** – MRID 44988413 is listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement for all species except lettuce. MRID 45921401 is a lettuce study apparently submitted to satisfy the lettuce data gap.
- ⁴³ **850.4400, 850.5400** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ⁴⁴ **850.4400, 850.5400** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ⁴⁵ **835.7100** – The studies cited satisfy the data requirement as per the Sept. 5, 2012 Problem Formulation and satisfy the requirement per the Jan. 22, 2013 Response to Public Comments on the EFED Problem Formulation for Acetamiprid (DP Barcode D407348).
- ⁴⁶ **870.3100** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁴⁷ **870.3150** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁴⁸ **870.3200** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁴⁹ **870.3700** – The studies cited are listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁰ **870.3800** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵¹ **870.4100** – The studies cited are listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵² **870.4200** – The studies cited are listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵³ **870.5100** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁴ **870.5300, 830.5375** – The studies cited are listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁵ **870.5385, 830.5395, 870.5450** – The studies cited are listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁶ **870.6200** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁷ **870.6200** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁸ **870.6300** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁹ **870.7485** – The studies cited are listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.

Endnotes for Data Matrix for Argite Acetamiprid Technical

⁶⁰ **870.7600** – The study cited was listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.

⁶¹ **870.7800** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.

⁶² **875.2100** – These data are not required as per the Sept. 14, 2012 Human Health Scoping Document in Support of Registration Review (Scoping Document, DP Barcode D401172).

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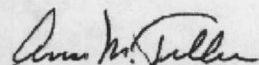
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DATA MATRIX

Date Feb. 18, 2016	EPA Reg No./File Symbol 91127-E	Page 1 of 27
Applicant's/Registrant's Name & Address Extremis, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product Argite Acetamiprid Technical	
Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	49590801	Extremis, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	49590801	Extremis, LLC	OWN	
830.1620	Description of Production Process	49590801	Extremis, LLC	OWN	
830.1650	Description of Formulation Process				Not Required ¹
830.1670	Discussion of Formation of Impurities	49590801	Extremis, LLC	OWN	
830.1700	Preliminary Analysis	49590802	Extremis, LLC	OWN	
830.1750	Certified Limits	49590801	Extremis, LLC	OWN	
830.1800	Enforcement Analytical Method	49590801 49590802	Extremis, LLC Extremis, LLC	OWN OWN	
830.6302	Color	49590803	Extremis, LLC	OWN	
830.6303	Physical State	49590803	Extremis, LLC	OWN	
830.6304	Odor	49590803	Extremis, LLC	OWN	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	49590803	Extremis, LLC	OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility	49590803	Extremis, LLC	OWN	
830.6315	Flammability	49590804	Extremis, LLC	OWN	Waiver ²

Signature



Name and Title

Ann M. Tillman, Agent

Date

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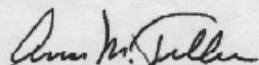
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DATA MATRIX

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Applicant's/Registrant's Name & Address Extremis, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product Argite Acetamiprid Technical	
Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6316	Explosibility	49590804	Extremis, LLC	OWN	Waiver ³
830.6317	Storage Stability	49590803	Extremis, LLC	OWN	
830.6319	Miscibility				Not Applicable ⁴
830.6320	Corrosion Characteristics	49590803	Extremis, LLC	OWN	
830.6321	Dielectric Breakdown Voltage				Not Required ⁴
830.7000	pH	49590803	Extremis, LLC	OWN	
830.7050	UV/Visible Absorption	49590803	Extremis, LLC	OWN	
830.7100	Viscosity				Not Applicable ⁴
830.7200	Melting Point/Melting Range	49590803	Extremis, LLC	OWN	
830.7220	Boiling Point/Boiling Range				Not Required ⁵
830.7300	Density/Relative Density/Bulk Density	49590803	Extremis, LLC	OWN	
830.7370	Dissociation Constants in Water	49590804 46255602	Extremis, LLC Nippon Soda Co., Ltd.	PL PAY	
830.7520	Particle size, fiber length, diameter distribution	49590804	Extremis, LLC	OWN	Not Applicable ⁴
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	49590804	Extremis, LLC	PL	

Signature



Name and Title

Ann M. Tillman, Agent

Date

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Date Feb. 18, 2016

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Applicant's/Registrant's Name & Address

Extremis, LLC
1204 Village Market Place, #273
Morrisville, NC 27560

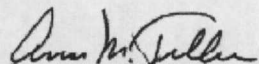
Product

Argite Acetamiprid Technical

Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	49590804	Extremis, LLC	PL	
830.7860	Water Solubility, Generator Column Method				See 830.7840
830.7950	Vapor Pressure	49590804	Extremis, LLC	PL	
870.1100	Acute Oral Toxicity: Rat	44651833 46255621 46255620	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd	OLD PAY PAY	See endnote ⁶
870.1200	Acute Dermal Toxicity: Rat	44651836		OLD	See endnote ⁷
870.1300	Acute Inhalation Toxicity: Rat	44651837		OLD	See endnote ⁸
870.2400	Primary Eye Irritation: Rabbit	44651838		OLD	See endnote ⁹
870.2500	Primary Dermal Irritation	44651839		OLD	See endnote ¹⁰
870.2600	Dermal Sensitization	44651840		OLD	See endnote ¹¹

Signature



Name and Title

Ann M. Tillman, Agent

Date

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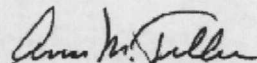
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Applicant's/Registrant's Name & Address Extremis, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product Argite Acetamiprid Technical	
Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Generic Data Requirements					
835.1230; 835.1240	Leaching/Adsorption/Desorption	44651883 44651885 49734001	Nippon Soda Co., Ltd.	OLD OLD PAY	See endnote ¹²
835.1410	Volatility – Laboratory				Not required
835.2120	Hydrolysis	44651876 44651877		OLD OLD	See endnote ¹³
835.2240	Photodegradation in Water	44988509 44988511		OLD OLD	See endnote ¹⁴
835.2370	Photodegradation in Air				Not required
835.2410	Photodegradation in Soil	48563501	Nippon Soda Co., Ltd.	PAY	See endnote ¹⁵
835.4100	Aerobic Soil Metabolism	44651879 44651881 44699101 44651880 46255603 49734002	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	OLD OLD OLD OLD PAY PAY	See endnote ¹⁶

Signature



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Ann M. Tillman, Agent

Date

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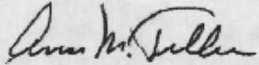
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.4200	Anaerobic Soil Metabolism	48554501	Nippon Soda Co., Ltd.	PAY	Not required ¹⁷
835.4300	Aerobic Aquatic Metabolism	44988513		OLD	See endnote ¹⁸
		49034201	Nippon Soda Co., Ltd.	PAY	
		49734003	Nippon Soda Co., Ltd.	PAY	
835.4400	Anaerobic Aquatic Metabolism	44988512		OLD	See endnote ¹⁹
		49734004	Nippon Soda Co., Ltd.	PAY	
835.6100	Soil Field Dissipation Study	44988514		OLD	See endnote ²⁰
		44988515		OLD	
		44988625		OLD	
835.6200	Aquatic Sediment Field Dissipation Study				Not required
835.6300	Forest Field Dissipation Study				Not required
835.6400	Combination and Tank Mixes				Not required
835.7100	Ground Water Monitoring				Not required
835.8100	Volatility – Field				Not required

Signature 	Name and Title Ann M. Tillman, Agent	Date Feb. 18, 2016
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Applicant's/Registrant's Name & Address

Extremis, LLC
1204 Village Market Place, #273
Morrisville, NC 27560

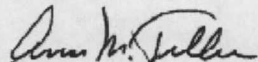
Product

Argite Acetamiprid Technical

Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1010 (72-2)	Freshwater Invertebrate Toxicity	44651866		OLD	See endnote ²¹
		44651867		OLD	
		44988409		OLD	
		44651867		OLD	
		44651868		OLD	
		46255610	Nippon Soda Co., Ltd.	PAY	
		49034202	Nippon Soda Co., Ltd.	PAY	
		46255608	Nippon Soda Co., Ltd.	PAY	
		45916201	Nippon Soda Co., Ltd.	PAY	
850.1020	Gammarid Acute Toxicity	45932501	Nippon Soda Co., Ltd.	PAY	See endnote ²²
850.1025, 850.1035, 850.1045, 850.1055, 850.1075	Acute Toxicity Estuarine and Marine Organisms	44988411		OLD	See endnote ²³
		44651869		OLD	
		44651870		OLD	
		44988410		OLD	
850.1075	Freshwater Fish Toxicity	44651863		OLD	See endnote ²⁴
		44651864		OLD	
		44651865		OLD	

Signature



Name and Title

Ann M. Tillman, Agent

Date

Feb. 18, 2016

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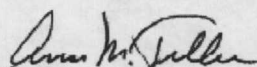
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Applicant's/Registrant's Name & Address Extremis, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product Argite Acetamiprid Technical	
Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1300	Aquatic Invertebrate Life Cycle (Freshwater)	44651871 46255609	Nippon Soda Co., Ltd.	OLD PAY	See endnote ²⁵
850.1350	Aquatic Invertebrate Life Cycle (Saltwater)	44651873		OLD	See endnote ²⁶
850.1400	Fish Early Life Stage (Freshwater)	44651872 46729101	Nippon Soda Co., Ltd.	OLD PAY	See endnote ²⁷
850.1400	Fish Early Life Stage (Saltwater)				Not required ²⁸
850.1500	Life Cycle Fish				Not required ²⁹
850.1710, 850.1730, 850.1850	Aquatic Organisms Bioavailability, Biomagnification, Toxicity				Not required ³⁰
850.1735	Whole Sediment: Acute Freshwater Invertebrates				Not required ³¹
850.1740	Whole Sediment: Acute Marine Invertebrates				Not required ³²
850.1950	Simulated or Actual Field Testing for Aquatic Organisms				Not required ³³
N/A	Whole Sediment: Chronic Invertebrates Freshwater and Marine				Not required ³⁴

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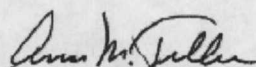
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.2100	Acute Avian Oral Toxicity	44651859 48844901 48407701	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	OLD PAY PAY	See endnote ³⁵
850.2200	Acute Avian Dietary Toxicity	44651860 44651861 44651862 49056401	Nippon Soda Co., Ltd.	OLD OLD OLD PAY	See endnote ³⁶
850.2300	Avian Reproductive Toxicity	46555601 49342202 46369201 48825601	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	PAY PAY PAY PAY	See endnote ³⁷
850.2400	Wild Mammal Toxicity				Not required
850.2500	Simulated or Actual Field Testing				Not required
850.3020 (141-1)	Honeybee Acute Contact Toxicity	44651874			See endnote ³⁸
850.3030	Honeybee Toxicity of Residues on Foliage	45346901 45932502	Nippon Soda Co., Ltd Nippon Soda Co., Ltd	PAY PAY	

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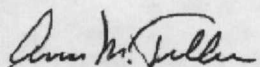
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.3040 (141-5)	Field Testing for Pollinators	49342201	Nippon Soda Co., Ltd	PAY	Not required ³⁹
		45932504	Nippon Soda Co., Ltd	PAY	
		45932505	Nippon Soda Co., Ltd	PAY	
SS-1113	Residue Analysis of Nectar and Pollen in Flowering Crops	49342201	Nippon Soda Co., Ltd	PAY	Reserved
SS-1163	Honeybee Larval Toxicity	49342201	Nippon Soda Co., Ltd	PAY	
850.4025	Target Area Phytotoxicity				Not required
850.4100	Tier 1: Seedling Emergence	49356501	Nippon Soda Co., Ltd.	PAY	See endnote ⁴⁰
850.4100	Tier 2: Seedling Emergence	49356501	Nippon Soda Co., Ltd.	PAY	
850.4150	Tier 1: Vegetative Vigor	44988413		OLD	See endnote ⁴¹
		45921401	Nippon Soda Co., Ltd.	PAY	
850.4150	Tier 2: Vegetative Vigor	44988413		OLD	See endnote ⁴²
		45921401	Nippon Soda Co., Ltd.	PAY	
850.4300	Terrestrial Field				Not required

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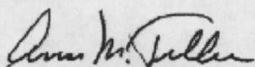
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4400, 850.5400	Tier 1: Aquatic Plant Growth	44988414		OLD	See endnote ⁴³
		44988415		OLD	
		44988416		OLD	
		44988417		OLD	
		44988418		OLD	
850.4400, 850.5400	Tier 2: Aquatic Plant Growth	44988414		OLD	See endnote ⁴⁴
		44988415		OLD	
		44988416		OLD	
		44988417		OLD	
		44988418		OLD	
850.4450	Aquatic Field				Not required
850.7100	Environmental Chemistry Methods	44988536		OLD	See endnote ⁴⁵
		44988516		OLD	
		44988514		OLD	
		44988517		OLD	

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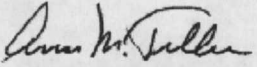
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1300	Nature of the Residue: Plants	44988518		OLD	
		44988519		OLD	
		44988520		OLD	
		44988521		OLD	
		44988522		OLD	
860.1300	Nature of the Residue: Livestock	44988523		OLD	
		44988524		OLD	
860.1340	Residue Analytical Methods	44988525	Nippon Soda Co., Ltd.	OLD	
		44988526		OLD	
		44988527		OLD	
		44988528		OLD	
		44988529		OLD	
		44988530		OLD	
		44988531		OLD	
		44988532		OLD	
		44988533		OLD	
		47185401		PAY	

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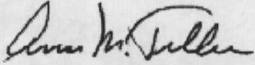
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1360	Multiresidue Method	44988534		OLD	
860.1380	Storage Stability	44988535 45039702		OLD OLD	
860.1400	Nature and Magnitude of the Residue in Potable Water				Not required
860.1400	Magnitude of the Residue in Fish				Not required
860.1400	Magnitude of the Residue in Plants Resulting from the Use of Irrigation Water				Not required
860.1460	Magnitude of the Residue in Food Handling Establishments	47462801	Nippon Soda Co., Ltd.	PAY	
860.1480	Magnitude of the Residue in Meat, Milk, Poultry, and Eggs	44988601 44988602		OLD OLD	
860.1500	Magnitude of the Residue in Plants	48404401	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Asparagus	48590101	IR-4	PUBLIC	
860.1500	Magnitude of the Residue in Plants: Cotton	44988618 46860209	Nippon Soda Co., Ltd.	OLD PAY	
860.1500	Magnitude of the Residue in Plants: Soybean	48404402	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Sweet Corn	48590104	Nippon Soda Co., Ltd.	PAY	

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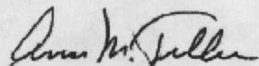
Product

Argite Acetamiprid Technical

Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: Tuberous and Corm Vegetables (Group 1C)	45900508	Nippon Soda Co., Ltd.	PAY	
		45900509	Nippon Soda Co., Ltd.	PAY	
		47013701	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Bulb Vegetables (Group 3-07)	46785503	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Leafy Vegetables (Group 4)	44988603		OLD	
		44988604		OLD	
		44988606		OLD	
		44988630		OLD	
		44988633		OLD	
		48481701	IR-4	PUBLIC	
		48499801	IR-4	PUBLIC	

Signature



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Date

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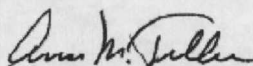
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Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: Brassica (Cole) Leafy Vegetables (Group 5)	44988607 44988608 44988609 44988631 44988632 48590102 44988531 44988532	IR-4	OLD OLD OLD OLD OLD PUBLIC OLD OLD	
860.1500	Magnitude of the Residue in Plants: Edible Podded Legumes (Group 6A)	46785504	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Succulent shelled Pea and Bean (Group 6B)	46785504	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Fruiting Vegetable (Group 8-10)	44988614 44988615 44988616 44988621 46789801	IR-4	OLD OLD OLD OLD PUBLIC	

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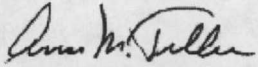
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: Cucurbit Vegetables (Group 9)	46265701	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Citrus (Group 10-10)	44988611 44988619 46834001 48872402 48872403 48872404 48872405 48872406 48872407 48872408 48872409 48872410 48872411	IR-4 Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	OLD OLD PUBLIC PAY PAY PAY PAY PAY PAY PAY PAY PAY	

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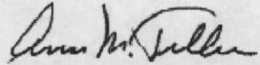
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: Pome Fruits (Group 11-10)	44988612 44988613 44988626 44988627 46857901	IR-4	OLD OLD OLD OLD PUBLIC	
860.1500	Magnitude of the Residue in Plants: Stone Fruits (Group 12)	46265702	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Caneberries (Group 13-07A)	46785502 47224701	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	PAY PAY	
860.1500	Magnitude of the Residue in Plants: Bushberries (Group 13-07B)	46785502 47224701	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	PAY PAY	
860.1500	Magnitude of the Residue in Plants: Small Fruit Vine Climbing except Fuzzy Kiwifruit (Group 13-07F)	44988617 44988634 47716902	IR-4	OLD OLD PUBLIC	
860.1500	Magnitude of the Residue in Plants: Strawberries and other Low Growing Berries (Group 13-07G)	47013601	IR-4	PUBLIC	

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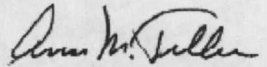
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Magnitude of the Residue in Plants: Tree Nuts Including Pistachios (Group 14)	46265703	Nippon Soda Co., Ltd.	PAY	
860.1500	Magnitude of the Residue in Plants: Clover (ID, OR and WA only), including Clover Grown for Seed	47716901 49443801 49443802	IR-4 IR-4 IR-4	PUBLIC PUBLIC PUBLIC	
860.1500	Magnitude of the Residue in Plants: Tobacco	45900506 45900507	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	PAY PAY	
860.1500	Magnitude of the Residue in Plants: Canola and Mustard Seed Treatment	44988629 45336901		OLD PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: Cotton	44988618		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Soybeans	48404402	Nippon Soda Co., Ltd.	PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: Tuberous and Corm Vegetables (Subgroup 1C)	45900508 45900509 47013701	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	PAY PAY PAY	

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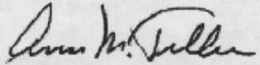
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1520	Magnitude of the Residue in Processed Food or Feed: Fruiting Vegetable (Group 8-10)	44988621		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Citrus (Group 10-10)	44988619		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Pome Fruits (Group 11-10)	44988622		OLD	
860.1520	Magnitude of the Residue in Processed Food or Feed: Stone Fruits (Group 12)	46265702	Nippon Soda Co., Ltd.	PAY	
860.1520	Magnitude of the Residue in Processed Food or Feed: Small Fruit Vine Climbing except Fuzzy Kiwifruit (Group 13-07F)	44988620		OLD	
860.1850	Confined Rotational Crops	44988623		OLD	
		46729102	Nippon Soda Co., Ltd.	PAY	
860.1900	Field Rotational Crops				Not required
870.3100	90-Day Oral: Rodent	44651843		OLD	See endnote ⁴⁶

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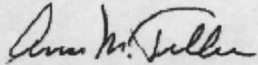
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DATA MATRIX

Date Feb. 18, 2016	EPA Reg No./File Symbol 91127-E	Page 19 of 27
Applicant's/Registrant's Name & Address Extremis, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product Argite Acetamiprid Technical	
Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3150	90-Day Oral: Non-Rodent	44988424 45245306		OLD OLD	See endnote ⁴⁷
870.3200	21/28-Day Dermal Toxicity	44651844		OLD	See endnote ⁴⁸
870.3250	90-Day Dermal Toxicity				Not required
870.3465	90-Day Inhalation Toxicity				Not required
870.3700	Reproduction/Developmental Toxicity Screening Test	44651847 44651848 45245302 45245303		OLD OLD OLD OLD	See endnote ⁴⁹
870.3800	2-Generation Reproduction: Rat	44988430 45245301		OLD OLD	See endnote ⁵⁰
870.4100	Chronic Oral Rodent	44988429 45245304 45532301 45532302	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	OLD OLD PAY PAY	See endnote ⁵¹

Signature 	Name and Title Ann M. Tillman, Agent	Date Feb. 18, 2016
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DATA MATRIX

Date Feb. 18, 2016

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Applicant's/Registrant's Name & Address

Extremis, LLC
1204 Village Market Place, #273
Morrisville, NC 27560

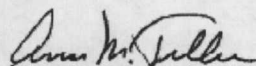
Product

Argite Acetamiprid Technical

Ingredient Acetamiprid (CAS No. 135410-20-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.4200	Carcinogenicity	44988428	Nippon Soda Co., Ltd.	OLD	See endnote ⁵²
		45245305		PAY	
		44988429	Nippon Soda Co., Ltd.	OLD	
		45245304		PAY	
870.5100	Bacterial Reverse Mutation Test	44651849		OLD	See endnote ⁵³
		44651850		OLD	
		44651851		OLD	
870.5300, 830.5375	<i>In vitro</i> Mammalian Cell Assay	44651857		OLD	See endnote ⁵⁴
		44651855		OLD	
870.5385, 870.5395, 870.5450	<i>In vivo</i> Cytogenetics	44651854		OLD	See endnote ⁵⁵
		44651852		OLD	
		44651856		OLD	
870.6100	28-Day Delayed Neurotoxicity Hen				Not required
870.6100	Delayed Neurotoxicity (Acute) – Hen				Not required
870.6200	Acute Neurotoxicity – Rat	44651842		OLD	See endnote ⁵⁶
		45130801		OLD	
870.6200	90-Day Neurotoxicity	44651845		OLD	See endnote ⁵⁷

Signature



Name and Title

Ann M. Tillman, Agent

Date

Feb. 18, 2016

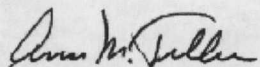
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DATA MATRIX

Date Feb. 18, 2016	EPA Reg No./File Symbol 91127-E	Page 21 of 27
Applicant's/Registrant's Name & Address <p align="center">Extremis, LLC 1204 Village Market Place, #273 Morrisville, NC 27560</p>	Product <p align="center">Argite Acetamiprid Technical</p>	
Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.6300	Developmental Neurotoxicity Study	46255619 46779202	Nippon Soda Co., Ltd. Nippon Soda Co., Ltd.	PAY PAY	See endnote ⁵⁸
870.7200	Companion Animal Safety				Not required
870.7485	Metabolism and Pharmacokinetics	44988503 44988504 44988505 44988506 44988507 46255622	Nippon Soda Co., Ltd.	OLD OLD OLD OLD OLD PAY	See endnote ⁵⁹
870.7600	Dermal Penetration	44651858		OLD	See endnote ⁶⁰
870.7800	Immunotoxicity	48113401	Nippon Soda Co., Ltd.	PAY	See endnote ⁶¹
875.1100	Dermal Exposure – Outdoor	Cite-All		PAY	
875.1200	Dermal Exposure - Indoor	Cite-All		PAY	
875.1300	Inhalation Exposure – Outdoor	Cite-All		PAY	
875.1500	Biological Monitoring	Cite-All		PAY	
875.1600	Data Reporting and Calculations	Cite-All		PAY	

Signature 	Name and Title <p align="center">Ann M. Tillman, Agent</p>	Date <p align="center">Feb. 18, 2016</p>
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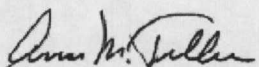
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DATA MATRIX

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Applicant's/Registrant's Name & Address Extremis, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product Argite Acetamiprid Technical	
Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.1700	Product Use Information				Not required
875.2100	Dislodgeable Foliar Residue and Turf Transferable Residues (cotton)	45323001	Nippon Soda Co., Ltd.	PAY	Not required ⁶²
875.2200	Soil Residue Dissipation	Cite-all		PAY	
875.2400	Dermal Exposure	Cite-all		PAY	
875.2500	Inhalation Exposure	Cite-all		PAY	
875.2600	Biological Monitoring				Not required
875.2700	Product Use Information				Not required
875.2800	Descriptions of Human Activity				Not required
875.2900	Data Reporting and Calculations				Not required
875.3000	Nondietary Ingestion Exposure				Not required
201-1	Droplet Size Spectrum	Cite-all		PAY	
202-1	Droplet Size Spectrum	Cite-all		PAY	See 201-1

Extremis, LLC is using the cite-all option under selective method of data citation for certain data requirements and has made offers-to-pay to the following companies on the acetamiprid data submitters list of December 31, 2015.

Signature 	Name and Title Ann M. Tillman, Agent	Date Feb. 18, 2016
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

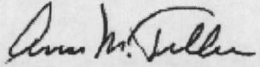
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DATA MATRIX

Date Feb. 18, 2016	EPA Reg No./File Symbol 91127-E	Page 23 of 27
Applicant's/Registrant's Name & Address Extremis, LLC 1204 Village Market Place, #273 Morrisville, NC 27560	Product Argite Acetamiprid Technical	
Ingredient Acetamiprid (CAS No. 135410-20-7)		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Syngenta Crop Protection LLC	PAY	
			Bayer CropScience LP	PAY	
			FMC Corp. Agricultural Products Group	PAY	
			Wellmark International	PAY	
			JJ Mauget Co.	PAY	
			Nippon Soda Co., Ltd.	PAY	
			Valent USA Corporation	PAY	
			Spray Drift Task Force	PAY	
			ISK Biosciences Corporation	PAY	
			Outdoor Residential Exposure Task Force	PAY	
			Agricultural Re-Entry Task Force	PAY	
			Nisso TM LLC	PAY	
			Agricultural Handler Exposure Task Force	PAY	
			Syntellus, LLC	PAY	

Signature 	Name and Title Ann M. Tillman, Agent	Date Feb. 18, 2016
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Endnotes for Data Matrix for Argite Acetamiprid Technical

- ¹ **830.1650** - These data are not required for the registration of a manufacturing use product. See 830.1620 for production process information.
- ² **830.6315** - Extremis, LLC requests a waiver from the requirement of this data requirement since Argite Acetamiprid Technical is a solid and does not contain flammable components. Please refer to the Confidential Statement of Formula for Argite Acetamiprid Technical.
- ³ **830.6316** - Extremis, LLC requests a waiver from this data requirement because acetamiprid does not have the chemical bonds or functional groups associated with explosive chemicals.
- ⁴ **830.6319, 830.6321, 830.7100, 830.7520** - Argite Acetamiprid Technical is a solid and not an emulsifiable concentrate and is not to be diluted with petroleum solvents. Therefore, miscibility data are not applicable to this technical. Argite Acetamiprid Technical is not an end use product to be used around electrical equipment and data for dielectric breakdown constant are not required for technical materials. Argite Acetamiprid Technical is a solid and not a liquid, therefore, viscosity data are not applicable to this product. Extremis, LLC is seeking a waiver for Particle Size, Fiber Length, and Diameter Distribution for Argite Acetamiprid Technical because the product is not a fibrous material or a water-insoluble material.
- ⁵ **830.7220** - Argite Acetamiprid Technical is a solid and boiling point data are not required for solids. Data for melting point are required for solids. See Guideline 830.7200.
- ⁶ **870.1100** - The study cited is listed in the Nov. 30, 2011 Acetamiprid Human Health Risk Assessment for New Uses on Soybean and in Food/Feed Handling Establishments (Human Health Risk Assessment, DP Barcodes D385260, D388794) as satisfying the data requirement.
- ⁷ **870.1200** - The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁸ **870.1300** - The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁹ **870.2400** - The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ¹⁰ **870.2500** - The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ¹¹ **870.2600** - The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ¹² **835.1230** - MRIDs 44651883 and 44651885 were cited as acceptable in the Sept. 5, 2012 Problem Formulation but additional data were required. It appears data were recently submitted to satisfy this data gap and have been cited.
- ¹³ **835.2120** - The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ¹⁴ **835.2240** - The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ¹⁵ **835.2410** - Although the study cited does not satisfy the data requirement, the Sept. 5, 2012 Problem Formulation did not require additional data; therefore, this study is cited.
- ¹⁶ **835.4100** - MRID 44651879 is cited as acceptable in the Sept. 5, 2012 Problem Formulation (other studies were also cited as supplemental) but additional data were required. It appears data were recently submitted to satisfy this data gap and have been cited.
- ¹⁷ **835.4200** - The study submitted did not satisfy the data requirement as per the Sept. 5, 2012 Problem Formulation, but no additional data are required. Therefore, no data are cited here.

Endnotes for Data Matrix for Argite Acetamiprid Technical

- ¹⁸ **835.4300** – MRID 44988513 is cited as acceptable in the Sept. 5, 2012 Problem Formulation but additional data were required. MRID 49034201 was submitted in response to the registration review DCI and is cited. It also appears, an even more recent submission, 49734003, and is cited here.
- ¹⁹ **835.4400** – MRID 44988512 (sic) is cited as acceptable in the Sept. 5, 2012 Problem Formulation but additional data were required. It appears data were recently submitted to satisfy this data gap and have been cited.
- ²⁰ **835.6100** – Although the studies cited do not satisfy the data requirement, the Sept. 5, 2012 Problem Formulation did not require additional data; therefore, the studies are cited.
- ²¹ **850.1010** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement; supplemental data that do not satisfy the data requirement were not cited. MRID 49034202 was submitted in response to the registration review DCI and is cited.
- ²² **850.1020** – While Extremis believes these data are not required to support the registration of Agrite Acetamiprid Technical because these data do not satisfy a data requirement under 40 CFR Part 158 and a DCI was not issued for these data, it is citing this study only because EPA identified this guideline as necessary for the data matrix and in order to complete the registration process quickly.
- ²³ **850.1025, 850.1035, 850.1045, 850.1055, 850.1075** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ²⁴ **850.1075** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ²⁵ **850.1300** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ²⁶ **850.1350** – The study cited is listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ²⁷ **850.1400** – The study cited is listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ²⁸ **850.1400** – Chronic toxicity data for estuarine/marine fish are not required as per the Sept. 5, 2012 Problem Formulation.
- ²⁹ **850.1500** – Fish life cycle data are not required as per the Sept. 5, 2012 Problem Formulation.
- ³⁰ **850.1710, 850.1730, 850.1850** – These data are not required as per the Sept. 5, 2012 Problem Formulation.
- ³¹ **850.1735** – These data are not required as per the Sept. 5, 2012 Problem Formulation.
- ³² **850.1740** – These data are not required as per the Sept. 5, 2012 Problem Formulation.
- ³³ **850.1950** – These data are not required as per the Sept. 5, 2012 Problem Formulation.
- ³⁴ **N/A** – These data are not required as per the Sept. 5, 2012 Problem Formulation.
- ³⁵ **850.2100** – The studies cited are listed in the Sept. 5, 2012 Registration Review – Preliminary Problem Formulation for Ecological Risk and Environmental Fate, Endangered Species, and Drinking Water Assessments for Acetamiprid (Problem Formulation, DP Barcode D401171) as satisfying the data requirement.
- ³⁶ **850.2200** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ³⁷ **850.2300** – MRID 46555601 was listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement for quail. MRID 49342202 was submitted in response to the registration review DCI and is cited.
- ³⁸ **850.3020** – The study cited is listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.

Endnotes for Data Matrix for Argite Acetamiprid Technical

- ³⁹ **850.3040** – These data are not required as per the Sept. 5, 2012 Problem Formulation.
- ⁴⁰ **850.4100** – The study cited was submitted in response to the registration review DCI.
- ⁴¹ **850.4150** – MRID 44988413 is listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement for all species except lettuce. MRID 45921401 is a lettuce study apparently submitted to satisfy the lettuce data gap.
- ⁴² **850.4150** – MRID 44988413 is listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement for all species except lettuce. MRID 45921401 is a lettuce study apparently submitted to satisfy the lettuce data gap.
- ⁴³ **850.4400, 850.5400** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ⁴⁴ **850.4400, 850.5400** – The studies cited are listed in the Sept. 5, 2012 Problem Formulation as satisfying the data requirement.
- ⁴⁵ **835.7100** – The studies cited satisfy the data requirement as per the Sept. 5, 2012 Problem Formulation and satisfy the requirement per the Jan. 22, 2013 Response to Public Comments on the EFED Problem Formulation for Acetamiprid (DP Barcode D407348).
- ⁴⁶ **870.3100** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁴⁷ **870.3150** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁴⁸ **870.3200** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁴⁹ **870.3700** – The studies cited are listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁰ **870.3800** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵¹ **870.4100** – The studies cited are listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵² **870.4200** – The studies cited are listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵³ **870.5100** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁴ **870.5300, 830.5375** – The studies cited are listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁵ **870.5385, 830.5395, 870.5450** – The studies cited are listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁶ **870.6200** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁷ **870.6200** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁸ **870.6300** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.
- ⁵⁹ **870.7485** – The studies cited are listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.

Endnotes for Data Matrix for Argite Acetamiprid Technical

⁶⁰ **870.7600** – The study cited was listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.

⁶¹ **870.7800** – The study cited is listed in the Nov. 30, 2011 Human Health Risk Assessment as satisfying the data requirement.

⁶² **875.2100** – These data are not required as per the Sept. 14, 2012 Human Health Scoping Document in Support of Registration Review (Scoping Document, DP Barcode D401172).